

Listing of Claims

Please amend claim 1 and cancel claim 2 without prejudice, as shown below. This listing of claims will replace all prior versions and listings of claims in the application.

1. (Currently Amended) A transgenic mouse comprising two human immunoglobulin loci, wherein one of said human immunoglobulin loci is a human heavy chain locus and the other locus is a human light chain locus; and wherein the human heavy chain locus is carried by ~~a transchromosome having a centromere of human chromosome 14~~ transchromosome SC20 and the human light chain locus is carried by a transgene integrated into the genome of said mouse.

2. - 5. (Canceled)

6. (Previously Presented) The transgenic mouse of claim 1, wherein an endogenous mouse heavy chain locus and at least one endogenous mouse light chain locus are inactivated.

7. (Previously Presented) The transgenic mouse of claim 6, wherein the endogenous mouse heavy chain locus and the endogenous mouse kappa light chain locus are inactivated.

8. (Previously Presented) The transgenic mouse of claim 1, wherein at least a part of the human light chain locus is cloned into a YAC vector.

9. (Previously Presented) The transgenic mouse of claim 1, wherein the transgene is the KCo5 transgene.

10. (Canceled)

11. (Previously Presented) The transgenic mouse of claim 1, wherein the human heavy chain locus is carried by the transchromosome SC20 and the human light chain locus is carried by the human kappa light chain transgene KCo5.

12. - 88. (Canceled)